Nov. 30, 1947.

Dear Luria,

Miss Willis' visit here today reminded me that there was still something hanging fire between us, and that I should write you again. I am speaking of the genetic analysis of "complex" phage resistant mutants. Your suggestion that these complex types represent sort of mass rearrangement of the genic content is good enough that it deserves some experimental attention. It seems to me that it could be decided by breeding experiments.

If I am not mistaken, you should have the coli multiple mutants Y-53 and Y-40. The former having never been exposed to phage is a suitable one in which to find complex mutants. The resistance patterns of K-12 seem to be quite similar to those of B, except that K/l (my V_{1a}^{r}) does not require tryptophane. I would prefer to rely on your extensive experience in selecting what would indubitably be a complex mutant, which I would like to analyse here. With your checking, if you like, on some of the recombinants, if any, it could well be made into a short joint publication, if ever it gets that far. Let me know what you think. Hope to see you at AAAS. Best regards,

Yours sincerely,

Joshua Lederberg